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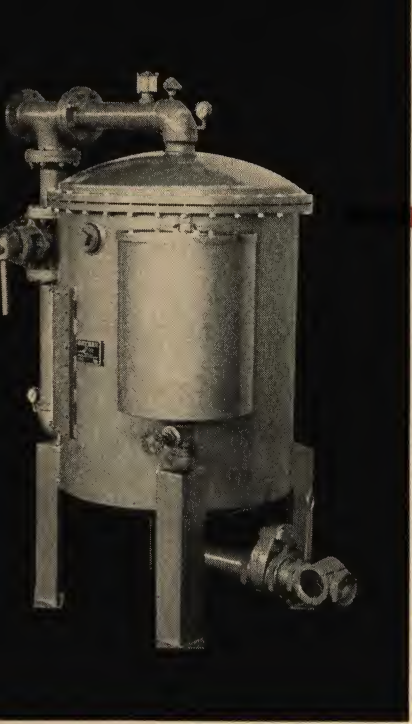
DETREX *"power-flo"*
SWIMMING POOL FILTERS

DETREX CHEMICAL INDUSTRIES, INC.



ALL SWIMMING POOL FILTERS ARE NOT ALIKE . . . . .

A large percentage of Detrex filters are sold as replacements for inferior, inefficient or obsolete systems. Here are some of the many reasons.

Detrex Power-Flo Diatomite filters are designed and engineered by filter experts. They are built by one of the nation's most experienced manufacturers. They are constructed of materials that assure long-life operation with a minimum of "down time" and maintenance. They are shipped completely assembled, and are face-piped for fast, easy installation.

In any major pool installation, the filter is the most important operating part. When you specify DETREX you have asked for the very best.

DETREX diatomaceous earth filters for commercial installations have established new standards for swimming pool filters

Only through the process of modern diatomite filtration is it possible to remove all of the "contaminated" filter media at the end of each filter cycle. A completely new and clean filter surface is therefore always available.

Coagulation, sedimentation and similar controlled chemical processes are unnecessary when water is filtered through Detrex Diatomite Filters.

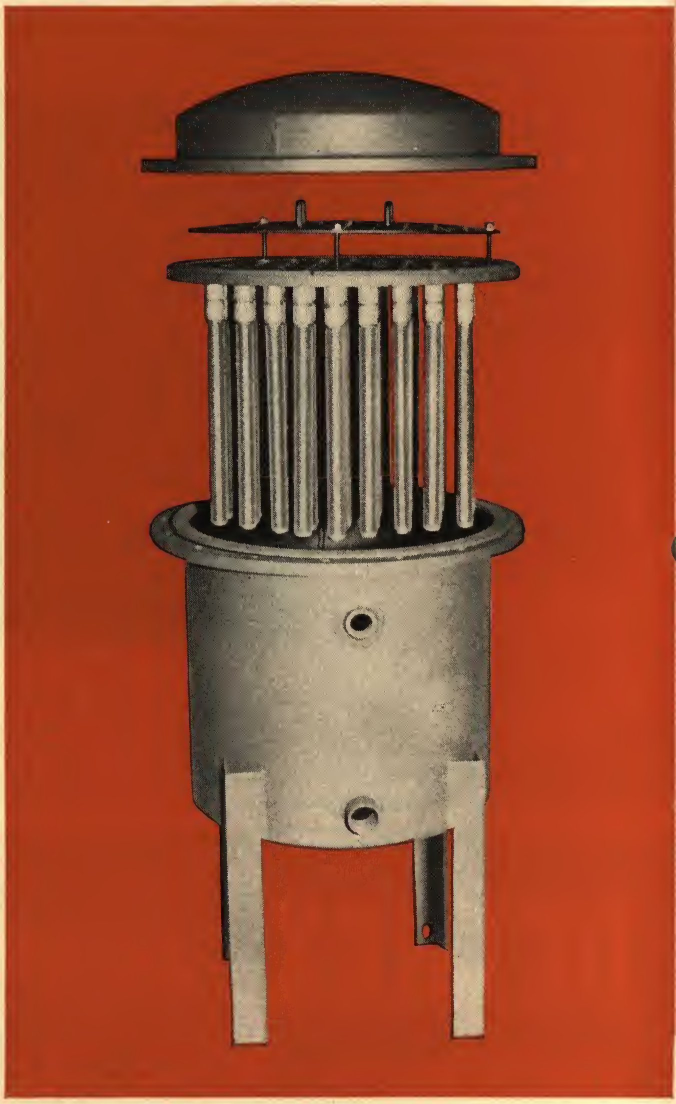
The tiny openings in the diatomite "filter cake" are so microscopically fine that maximum turbidity removal is accomplished during the very first pass through the filter.

additional important features

- Longer operating cycles between backwashings.
- Elements designed for non-fouling operation and positive backwashing.
- Only small amount of water required for backwashing.
- All Detrex filters are designed to occupy less space, yet provide maximum filter area.
- Easy, fast simple to operate.
- Fabricated of heavy-gauge steel with double welded construction.
- Interior completely protected with multiple coats of polymerized phenolic resin.
- Double hammertone bronze, baked enamel finish for long-lasting, rust-free attractiveness.

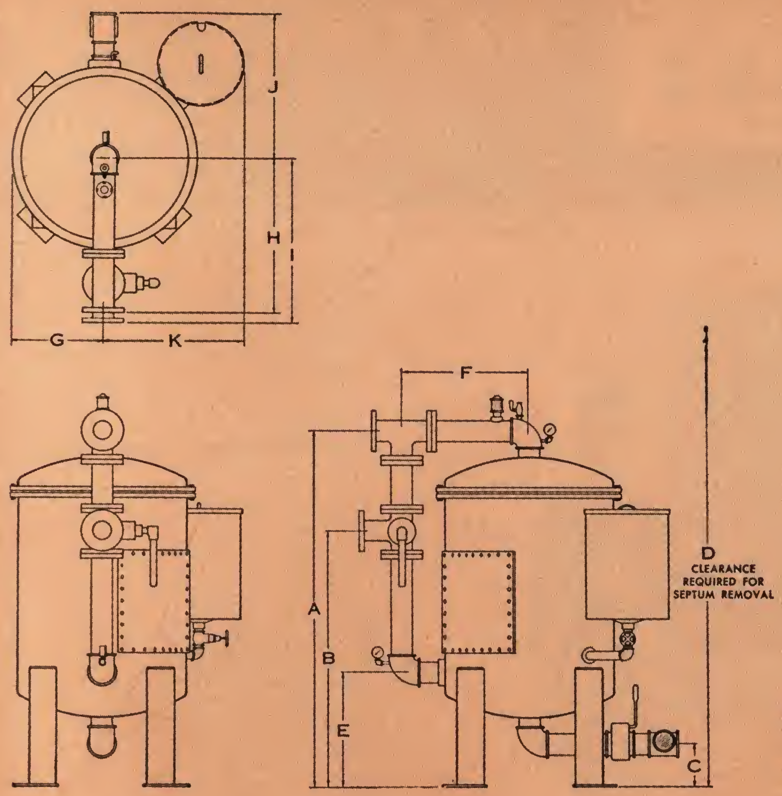
THE DETREX FILTER ELEMENT

- Tubular all stainless steel filter elements specially designed for long filter cycles and complete cleaning by internal backwash.
- Fast precoat with minimum recirculating time because of Detrex patented tubular element and direct precoat feed.
- Maximum filter area with minimum space requirements because of specially designed filter elements.



A view showing the component parts of a Detrex Power-Flo Swimming Pool Filter, including the filter dome, element retainer plate, tube sheet with the filter elements hanging from it, and the filter body. The entire assembly is inherently impervious to corrosion—designed and built for long trouble-free service.

SWIMMING POOL FILTERS



THOROUGHLY TESTED . . . RELIABLY GUARANTEED

Guaranteed by one of America's largest filter manufacturers . . . combining quality, price and performance . . . this new Diatomite Filter establishes new standards for the commercial swimming pool industry. Whether your commercial pool project is large or small, new Detrex Diatomite Filters will measurably reduce costs and increase operating efficiency.

dimensions in inches

MODEL	A	B	C	D	E	F	G	H	I	J	K
1-20	54¼	40	9½	76	17¼	14⅝	9⅛	16⅛	17⅜	19½	11
1-30	61⅝	43¼	9½	80	20⅜	16⅜	11⅛	18 5/16	19⅜	40	30
1-45	61⅝	43¼	9½	80	18⅞	18⅜	13 3/16	20⅝	21¾	44	35
1-60	69½	52¾	12½	96	23¾	18¼	13 3/16	21	22 5/16	45	35
1-75	61	52¾	12½	85	23⅞	20¾	15 11/16	23¾	25¼	44	38
1-100	71½	56¾	12½	96	23⅞	25	15 11/16	28⅛	30⅝	45	38
1-150	78	56	9¼	108	25	27½	20	34	34	32	30
1-243	83	61	12	113	29	32	23	40	40	40	32

Note: Access door and flanged piping furnished on Models 1-150 and 1-243 only.

- Detrex Power-Flo Filters are shipped factory assembled including elements and manifold piping with valves.
- Longer pump life as precoat slurry does not pass through recirculating pump.
- Pressure vessel constuction with dished heads. Central outlet and drain insure thorough cleaning of filter body during backwash.

Forty years of manufacturing experience in the production of the world's most outstanding dry cleaning and industrial cleaning equipment is your assurance of high quality engineering and performance at a remarkably low cost.

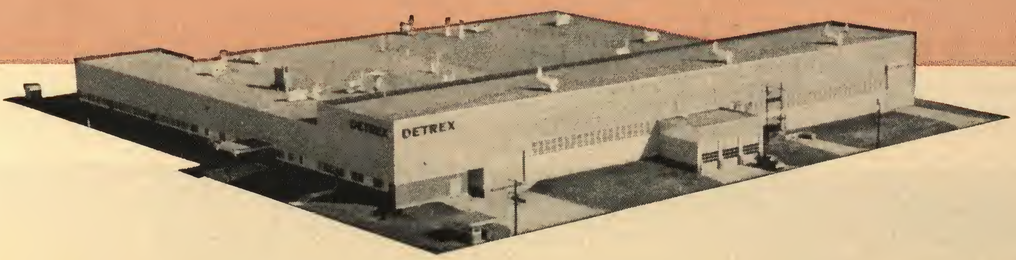
commercial rating tables for **DETREX** power-flo filters

flow rate 2 GPM per square foot

model	no. of units	area sq. ft.	tank dia. in.	inlet IPS	pump GPM	approx. motor HP	capacity gallons per 1 hr.	6 hr.	8 hr.
1-20	1	20	18	1¼	40	¼	2400	14400	19200
1-30	1	30	18	1½	60	1	3600	21600	28800
1-45	1	45	22	2	90	1½	5400	32400	43200
1-60	1	60	22	2½	120	3	7200	43200	57600
1-75	1	75	27	3	150	5	9000	54000	72000
1-100	1	100	27	3	200	5	12000	72000	96000
2-60	2	120	22	4	240	7½	14400	86400	115200
1-150	1	150	36	4	300	7½	18000	108000	144000
2-100	2	200	27	6	400	10	24000	144000	192000
1-243	1	243	42	5	486	15	29160	174960	233280
2-150	2	300	36	6	600	15	36000	216000	288000
4-100	4	400	27	6	800	20	48000	288000	384000
2-243	2	486	42	6	972	30	58320	349920	466560

flow rate 3 GPM per square foot

model	no. of units	area sq. ft.	tank dia. in.	inlet IPS	pump GPM	approx. motor HP	capacity gallons per 1 hr.	6 hr.	8 hr.
1-20	1	20	18	1¼	60	1	3600	21600	28800
1-30	1	30	18	1½	90	1½	5400	32400	43200
1-45	1	45	22	2	135	3	8100	48600	64800
1-60	1	60	22	2½	180	5	10800	64800	86400
1-75	1	75	27	3	225	7½	13500	81000	108000
1-100	1	100	27	3	300	10	18000	108000	144000
2-60	2	120	22	4	360	10	21600	129600	172800
1-150	1	150	36	4	450	15	27000	162000	216000
2-100	2	200	27	6	600	15	36000	216000	288000
1-243	1	243	42	5	729	20	43740	262440	349920
2-150	2	300	36	6	900	20	54000	324000	432000
4-100	4	400	27	6	1200	20	72000	432000	576000
2-243	2	486	42	6	1458		87480	524880	699840



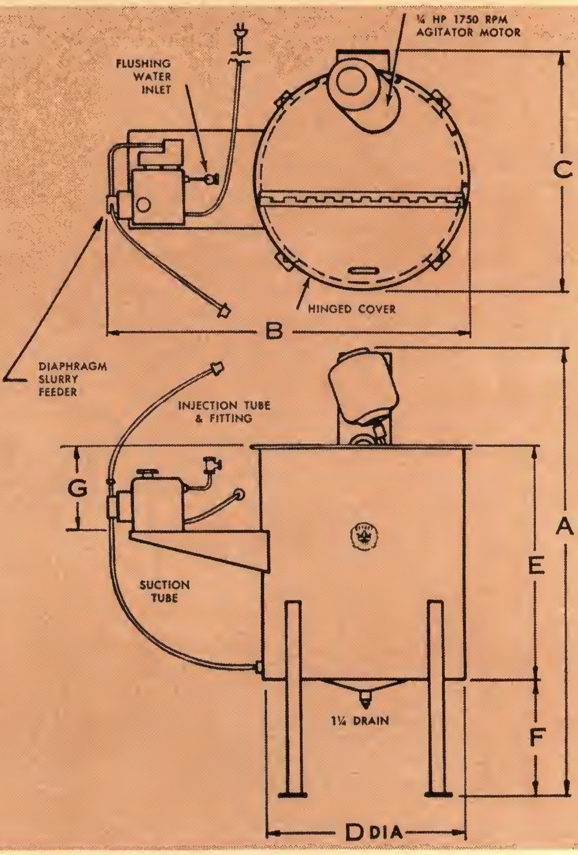
DETREX SLURRY TANK AND BODY FEEDER

operation—During the filter cycle, metered amounts of diatomite slurry are continuously fed into the filter by means of a diaphragm pump. The rate of feed can be varied to meet individual requirements. The slurry additions help to keep the "fiilter cake" porous and assure maximum filter cycles between backwashings.

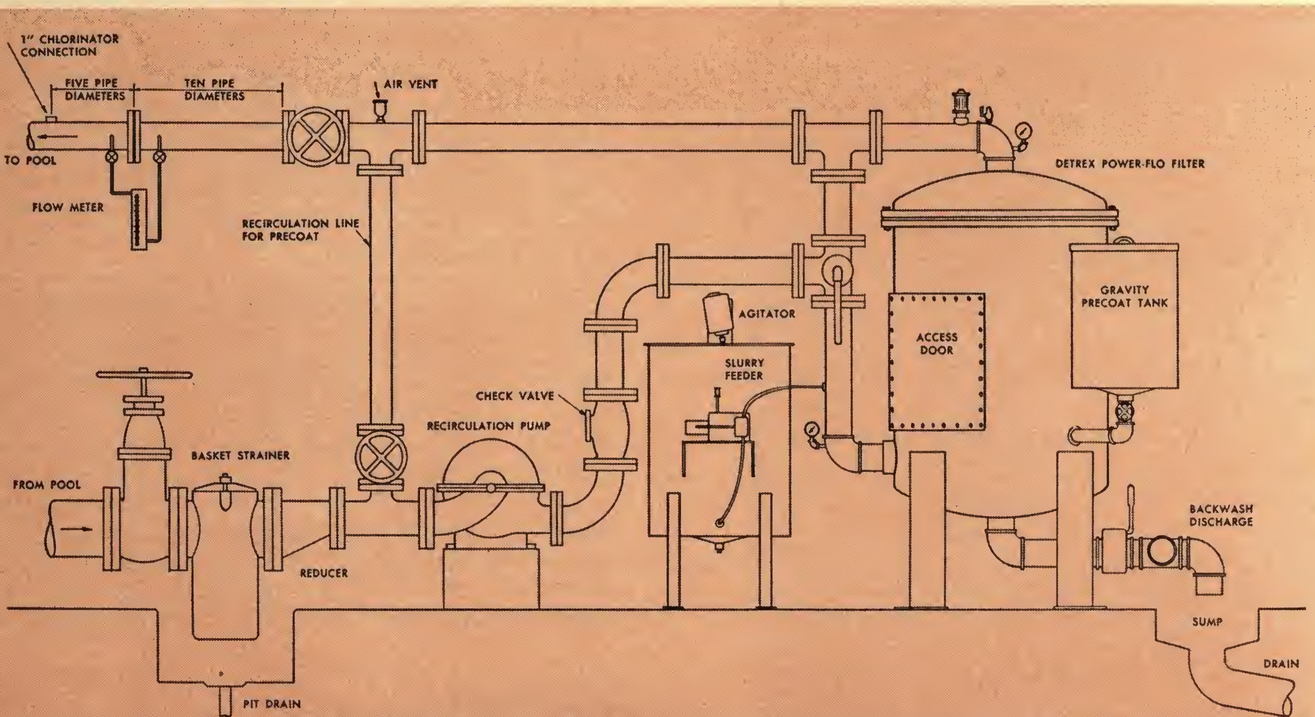
construction—Detrex slurry tanks are of welded steel construction and have hinged covers. For maximum corrosion resistance, the tank interior is FF-1 coated after sand-blasting. Exterior surfaces are phosphate treated, primed and finished in baked, hammertone enamel.

dimensions in inches

model	gallons cap.	A	B	C	D	E	F	G
T1	25	46	37	25	21	24	12¼	8
T2	50	54	40	28	24	32	12¼	16
T3	100	54	46	34	30	32	12¼	16
T4	150	62	54	40	36	40	12¼	16



TYPICAL FILTER ROOM LAYOUT



Detrex compact filter and accessory design reduces filter room space requirements and construction costs. Our engineers are prepared to give detailed advice and assistance in your project planning.

DETREX CHEMICAL INDUSTRIES, INC.
— FILTER DIVISION —
BOX 501, DETROIT 32, MICHIGAN

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